



PORTSMOUTH INFORMATION RELEASE APPROVAL REQUEST

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ID Number: _____

Originated Date: 6-25-08

Document Title or Identification: Plant Steam distribution system and other

Original Author(s) / Organization: _____ Utility drawing

Technical Editor(s) / Organization: DOE (See attached list)

Format: ☒ Document: ☐ Total # Pages

☐ Transparencies / Presentations

☐ Photos: _____ # Prints

☐ Electronic Media: _____ Type

☐ Public Meeting

☐ Private Meeting

☐ Presentation to Congress

Audience:

☐ Distribution List

☐ Internet Publication

☒ Publication/Press Release

Justification: DOE to put document on D&D REP website

Requestor: _____

Amanda Mayo

X2669

Date: _____

6-25-08

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II. Patent, Classification and Protected Information Review

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☒ Does not Contain Patentable or Proprietary Information

☐ Contains Patentable or Proprietary and/or has clearance patent information

Classification
Review:

☒ Document is Unclassified

☐ Document is Classified

Sensitive Information
Review:

☐ Contains Official Use Only (OUO)

☐ Contains Export Controlled (ECI)

☐ Contains Unclassified Controlled Nuclear Information (UCNI)

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☐ Approved for Internal Distribution Only

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☐ Not Approved for Release

☐ Approved with restrictions (describe): _____

Classification Officer/Technical Information Officer Signature / Date

A H Thomas

6/25/08

Send to OSTI? ☐ Yes ☒ No

Note: Requestor must retain a record copy of all requests (approved or rejected) and material being released

Utility drawings reviewed and released by Henry Thomas on 6/25/08

Fig. 2.3.2-3	UF6 enrichment flow diagram
Fig. 2.13	Building flow diagram (X-333)
Fig. 2.3.2-50	Plant steam distribution system
Fig. 2.3.2-63	Purge cascade and bypass piping
Fig. 2.5.1-1	High-pressure fire water system distribution piping and identification of sprinkler systems
Fig. 2.5.1-5	Fire alarm system zoning plan
Fig. 2.5.1-6	Locations of radiation alarm system components
Fig. 2.5.2-1	Incoming power transmission lines
Fig. 2.5.2-13	PORTS water supply
Fig. 2.5.2-14	Location of water system facilities
Fig. 2.5.2-19	Make-up water distribution system
Fig. 2.5.2-22	Sanitary and sanitary fire water distribution system
Fig. 2.5.2-29	Recirculating cooling water distribution system
Fig. 2.5.2-35	Schematic of the nitrogen distribution system
Fig. 2.5.2-36	Plant air system
Fig. 2.5.2-37	X-230C storm sewer system showing plant drainage and containment sectors
Fig. 2.5.2-38	Sewage distribution system

THE FEED POINT AND PRODUCT WITHDRAWAL POINTS CAN BE REMOVED TO ACCOMMODATE VARYING ASSAYS OF FEED AND PRODUCT MATERIALS.

A' STREAM
B' STREAM
A' STREAM
(WITH ENRICHMENT BELOW FEED MATERIAL)

NOTE: THE PURGE CASCADE CONTAINS AN ADDITIONAL 60 STAGES OF X-25 EQUIPMENT. (10 CELLS, 1/2 UNITS) (SEE GAT-991)

X-326 PROCESS BUILDING
2280 STAGES
(190 CELLS WITH 12 STAGES)
(9.5 UNITS WITH 20 CELLS)

X-330 PROCESS BUILDING
1100 STAGES
(110 CELLS WITH 10 STAGES)
(11 UNITS WITH 10 CELLS)

X-333 PROCESS BUILDING
640 STAGES
(80 CELLS WITH 8 STAGES)
(8 UNITS WITH 10 CELLS)

Fig. 2.3.2-3. UF₆ enrichment flow diagram.

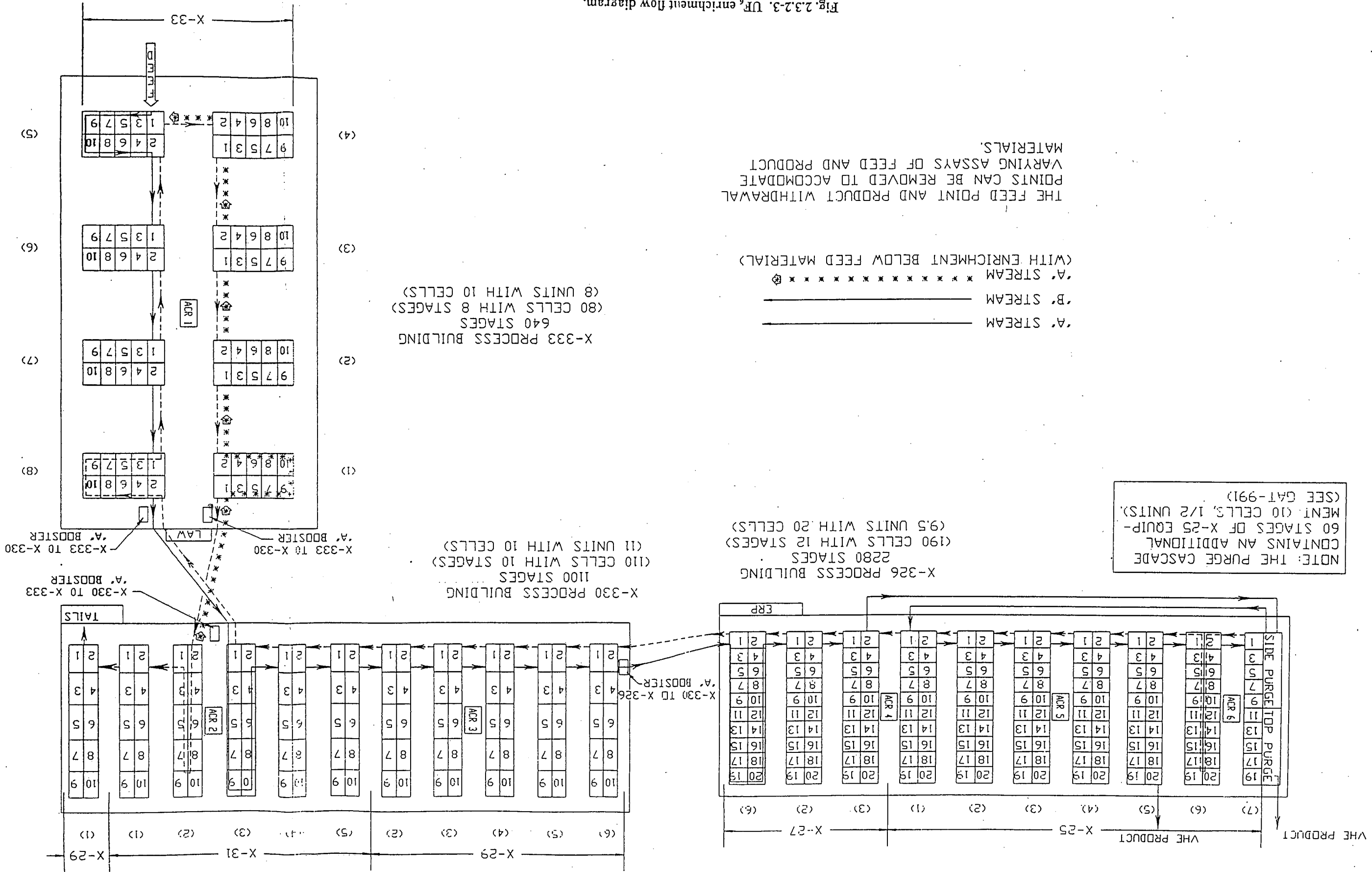
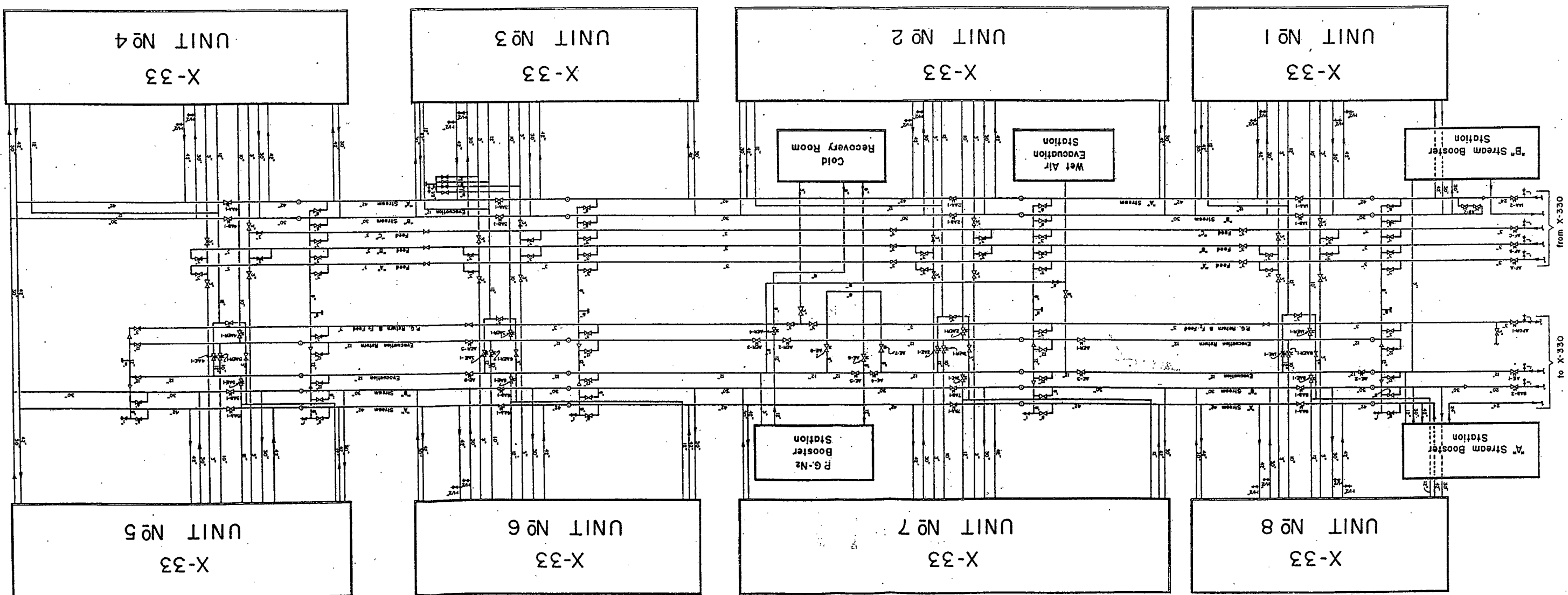
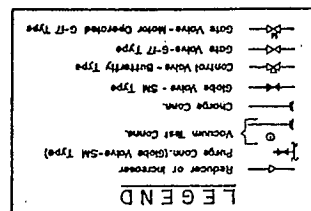


Figure 2.13
BUILDING FLOW DIAGRAM (X-333)



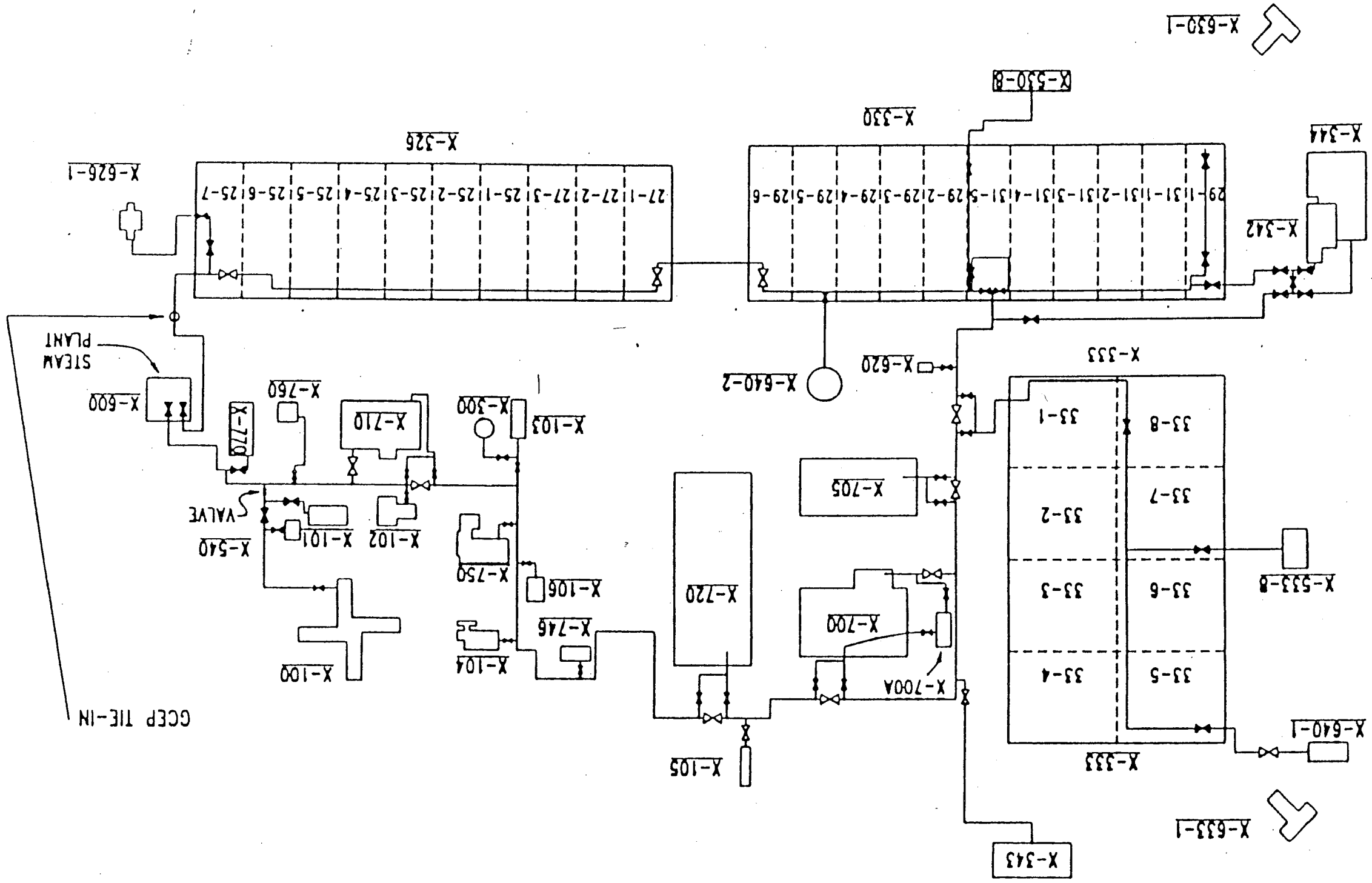


Fig. 2.3.2-50. Plant steam distribution system.

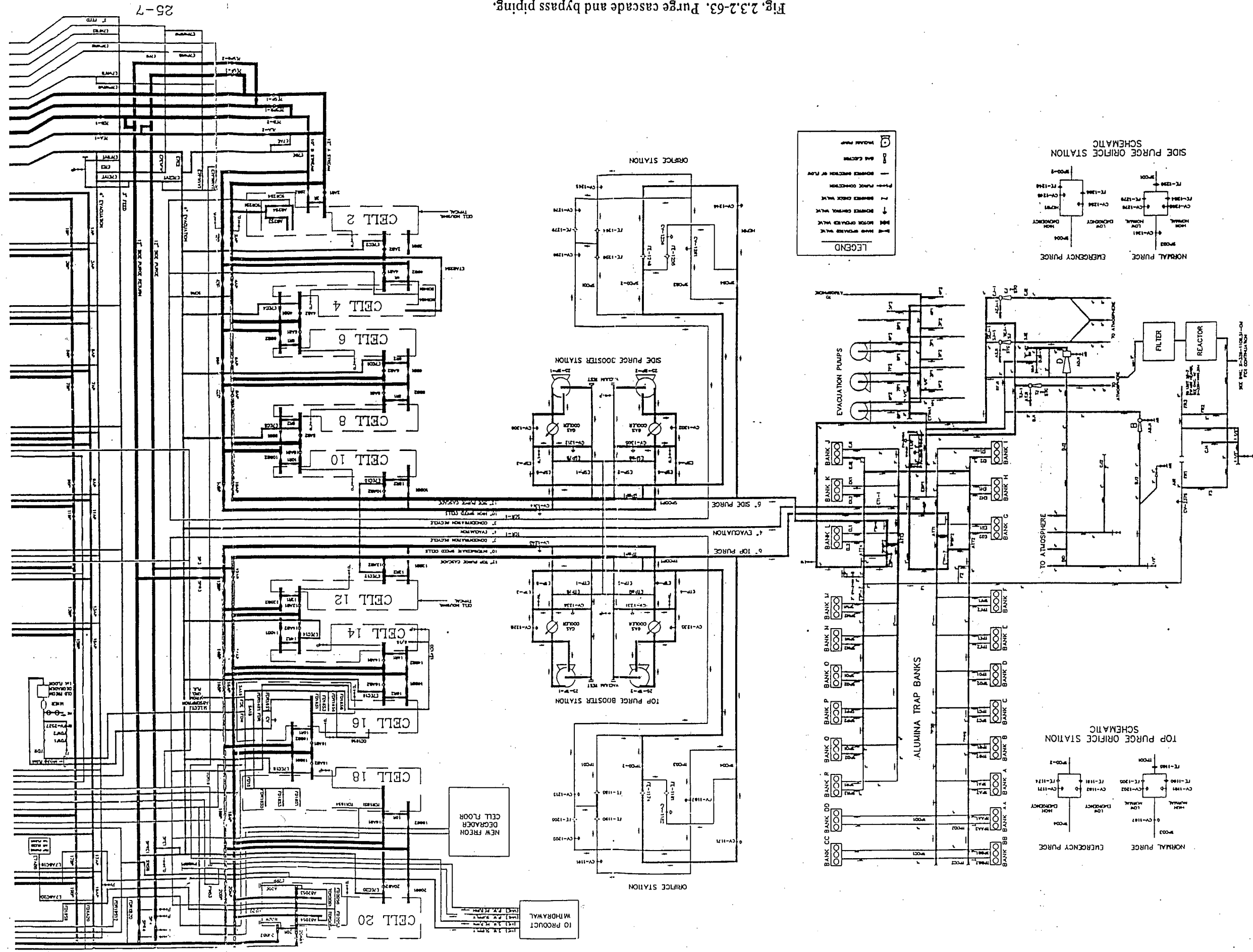


Fig. 2.3.2-63. Purge cascade and bypass piping.

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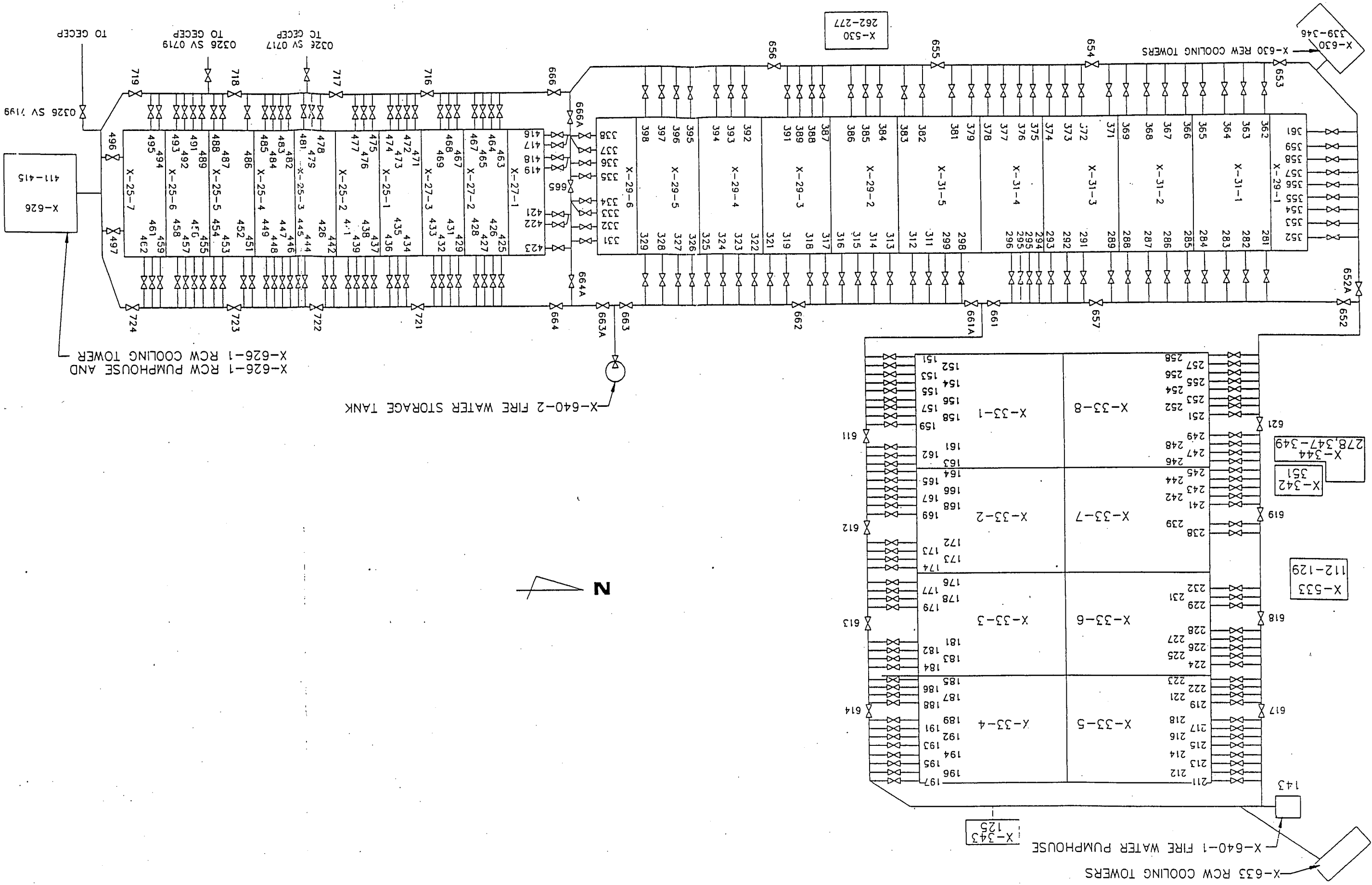
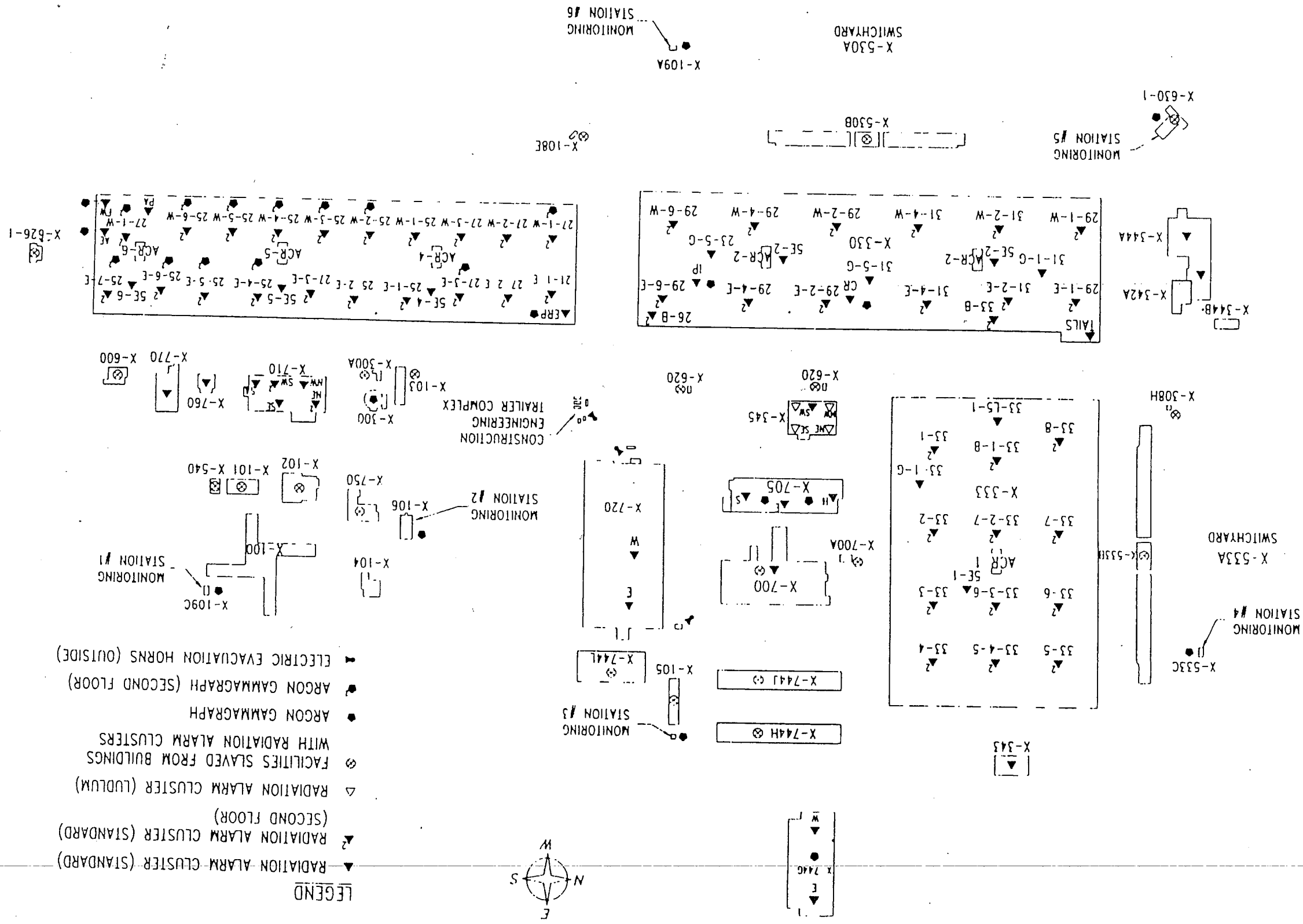


Fig. 2.5.1-1. High-pressure fire water system distribution piping and identification of sprinkler systems.



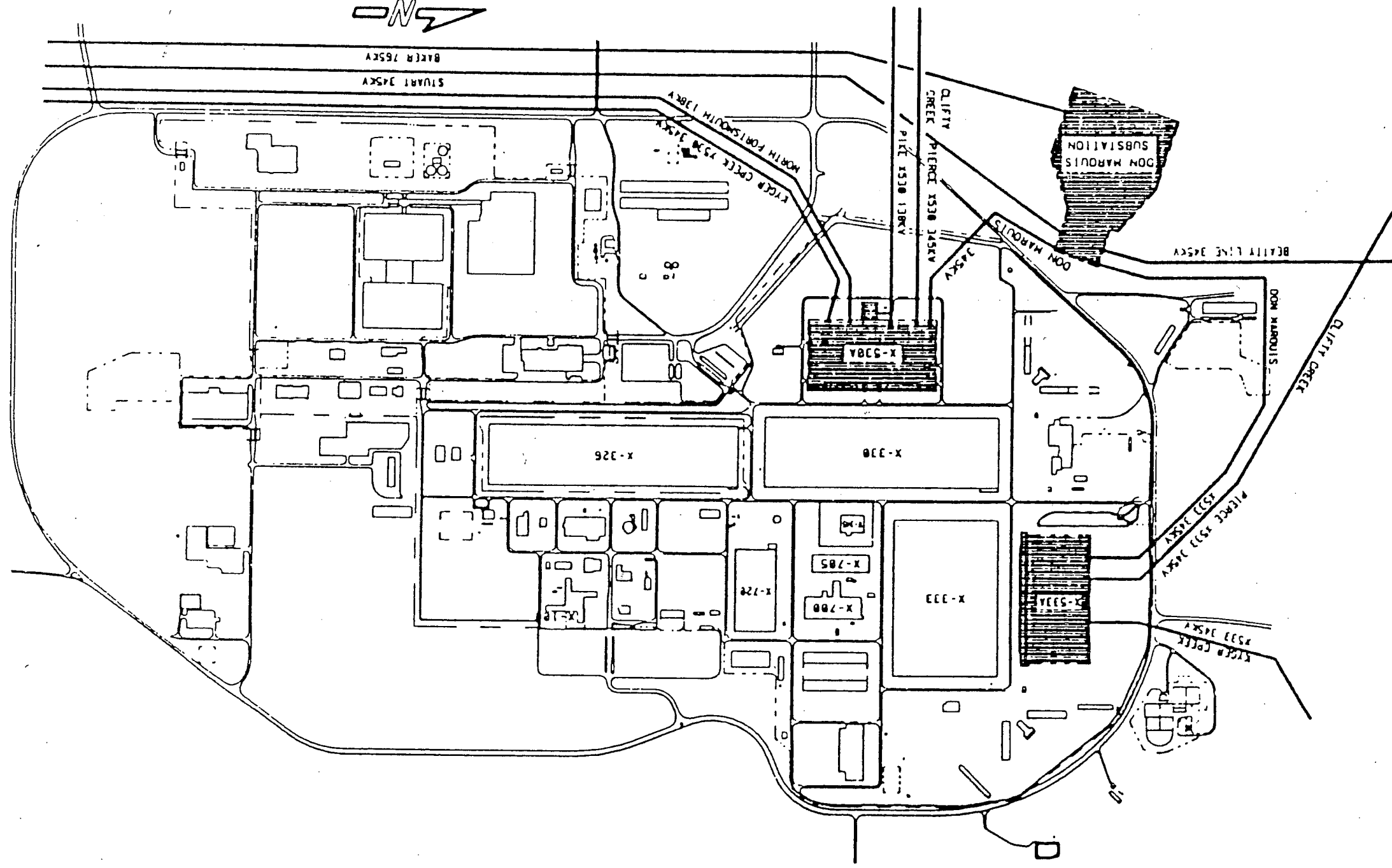


Fig. 2.5.2-1. Incoming power transmission lines.

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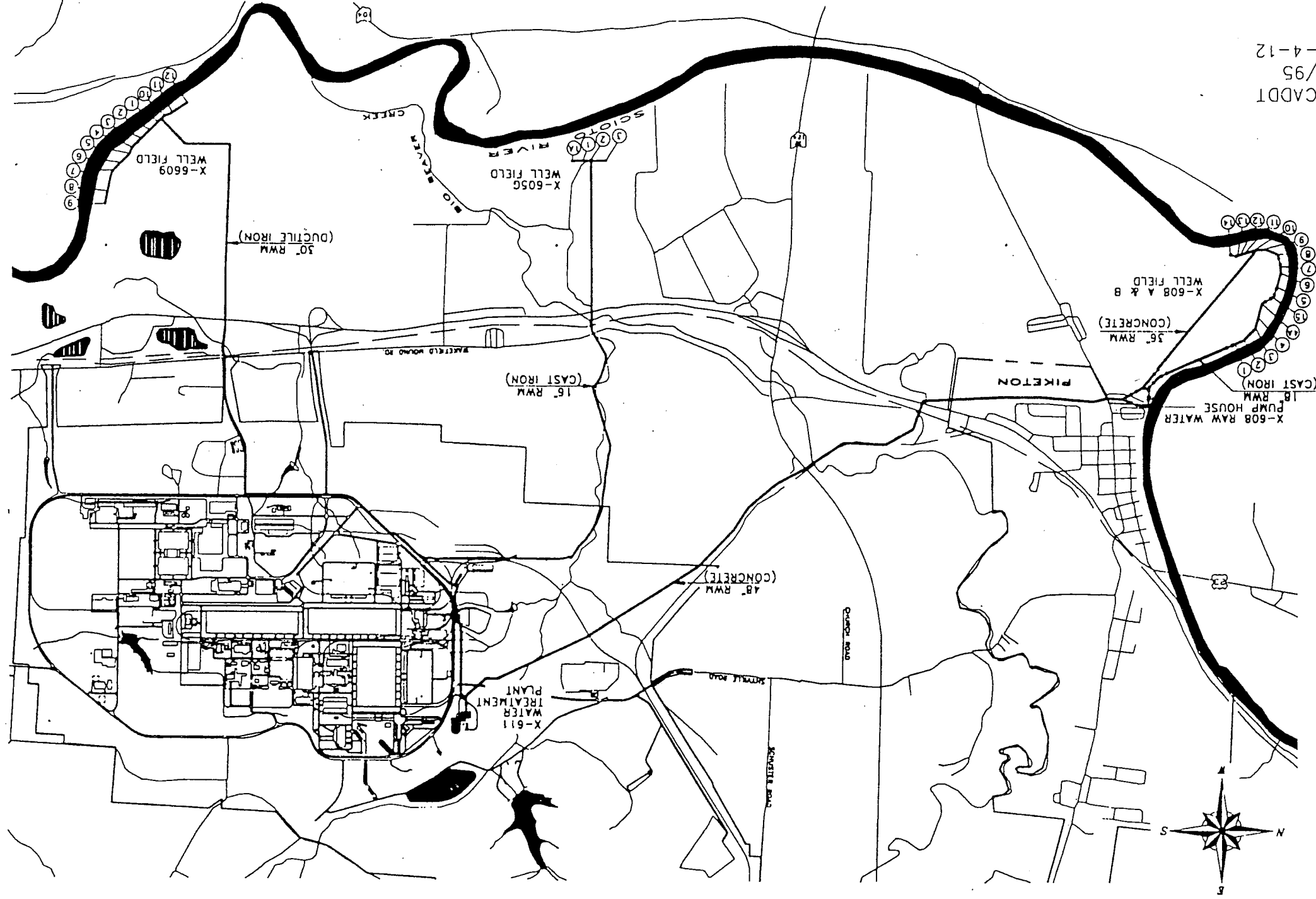


Fig. 2.5.2-13. PORTS water supply.

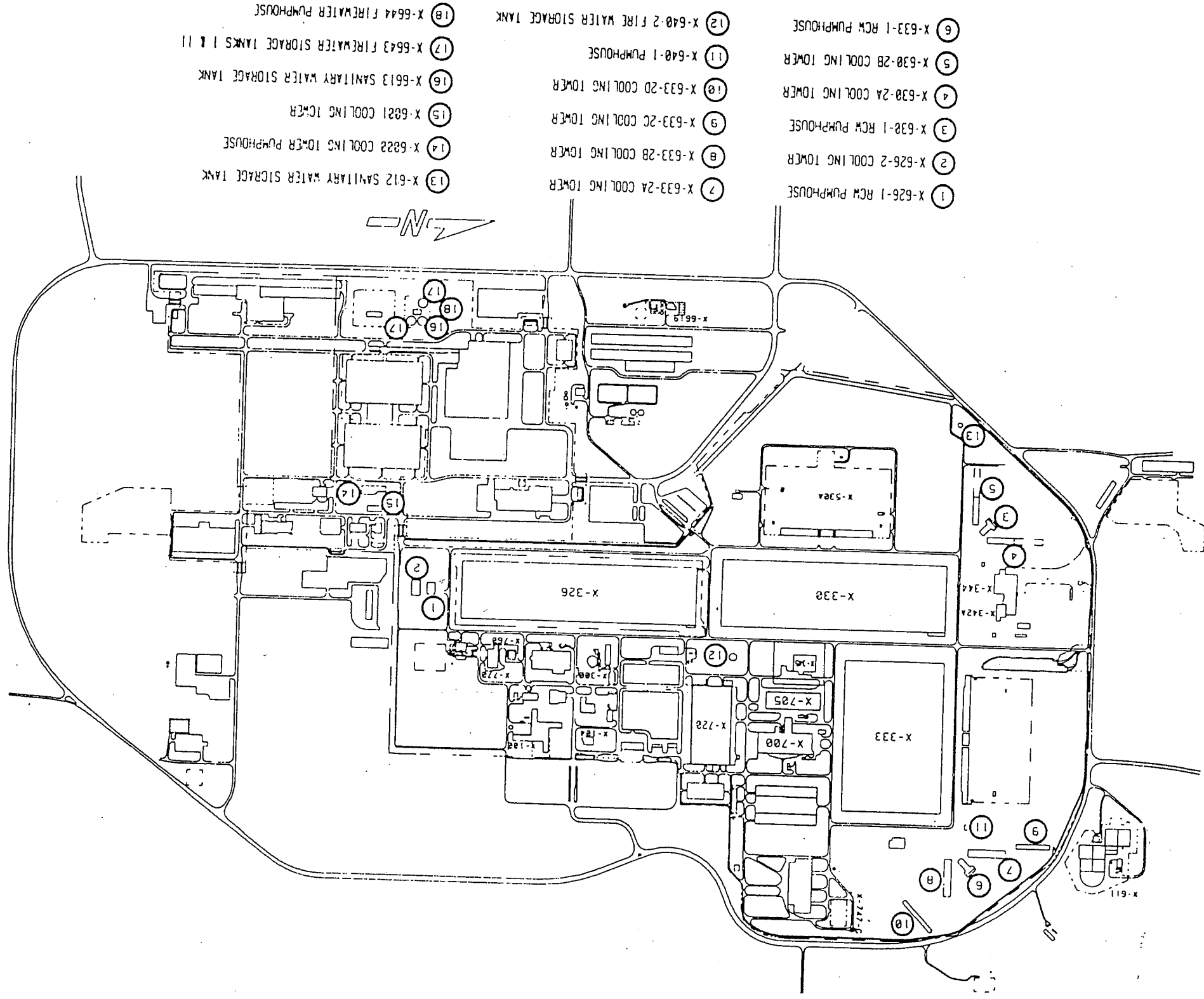
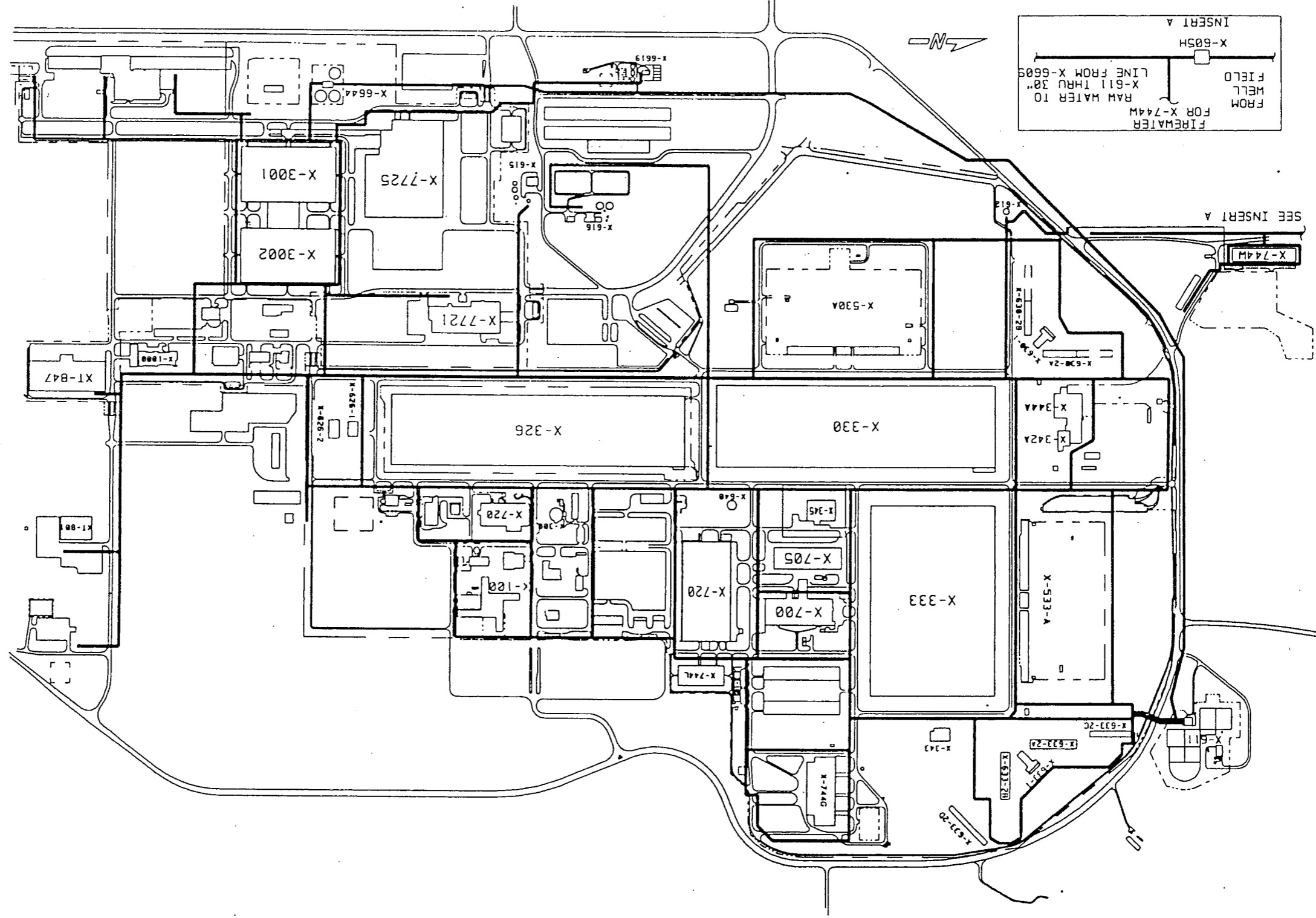


Fig. 2.5.2-14. Location of water system facilities.

Fig. 2.5.2-22. Sanitary and sanitary fire water distribution system.



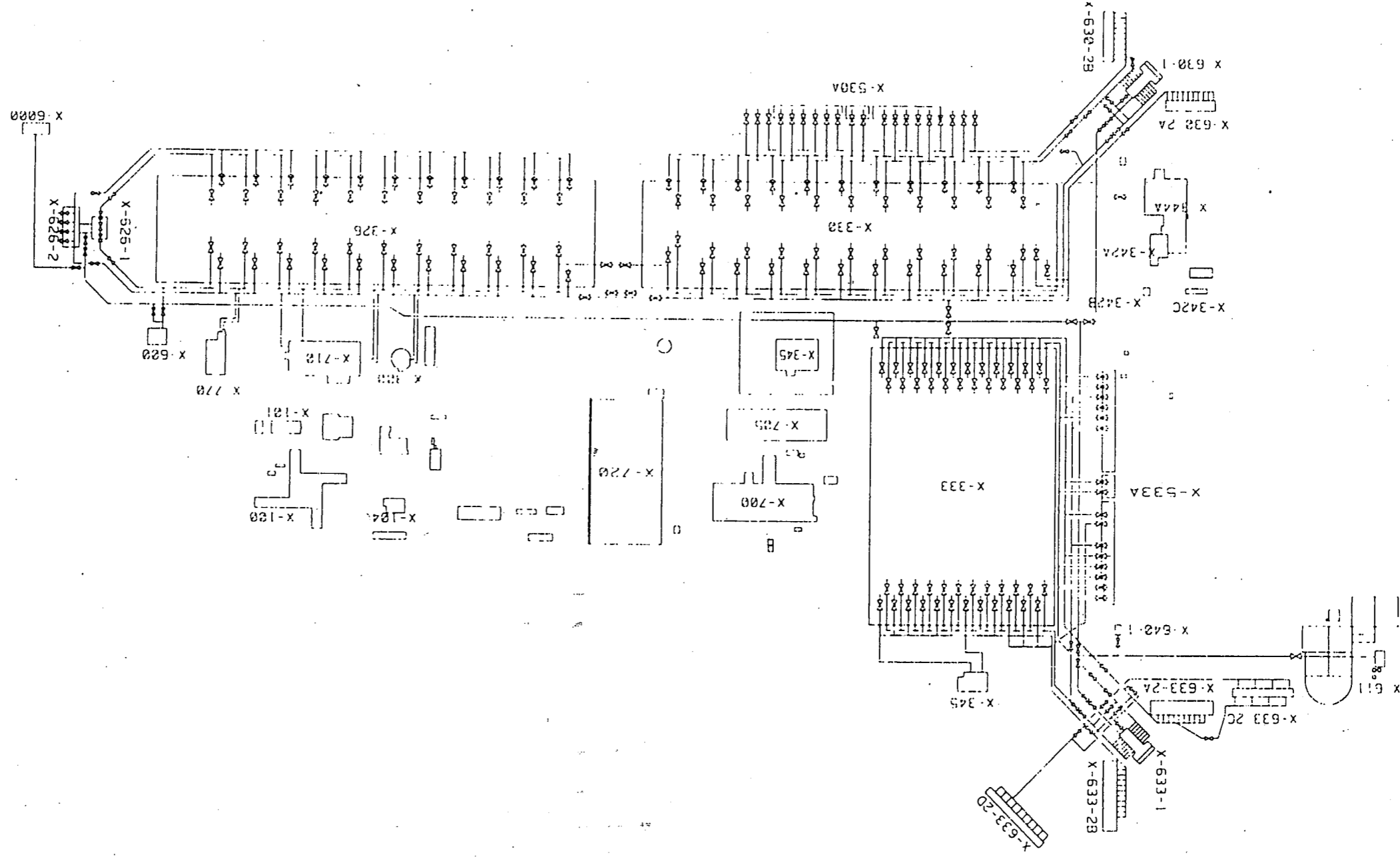


Fig. 2.5.2-29. Recirculating cooling water distribution system.

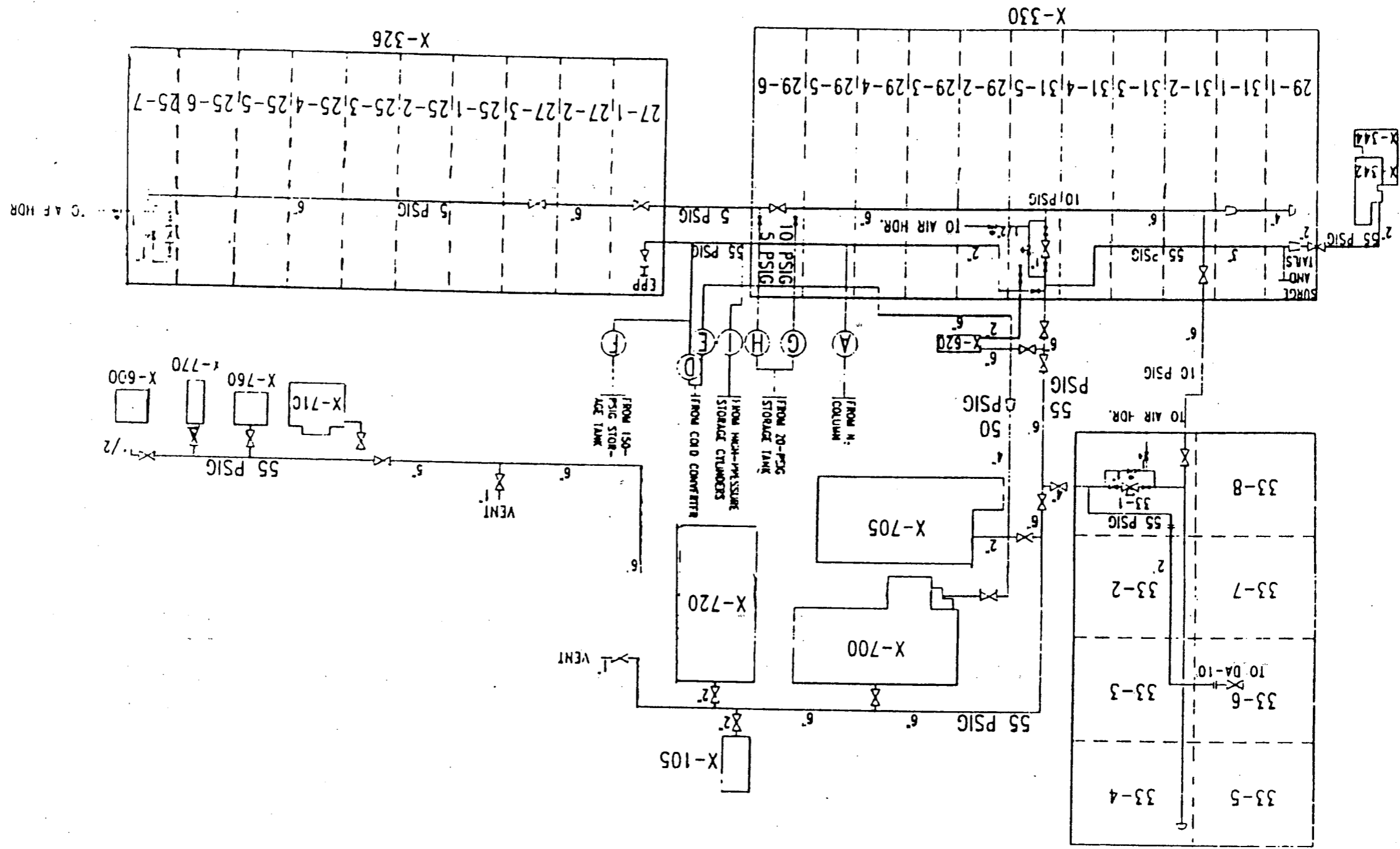
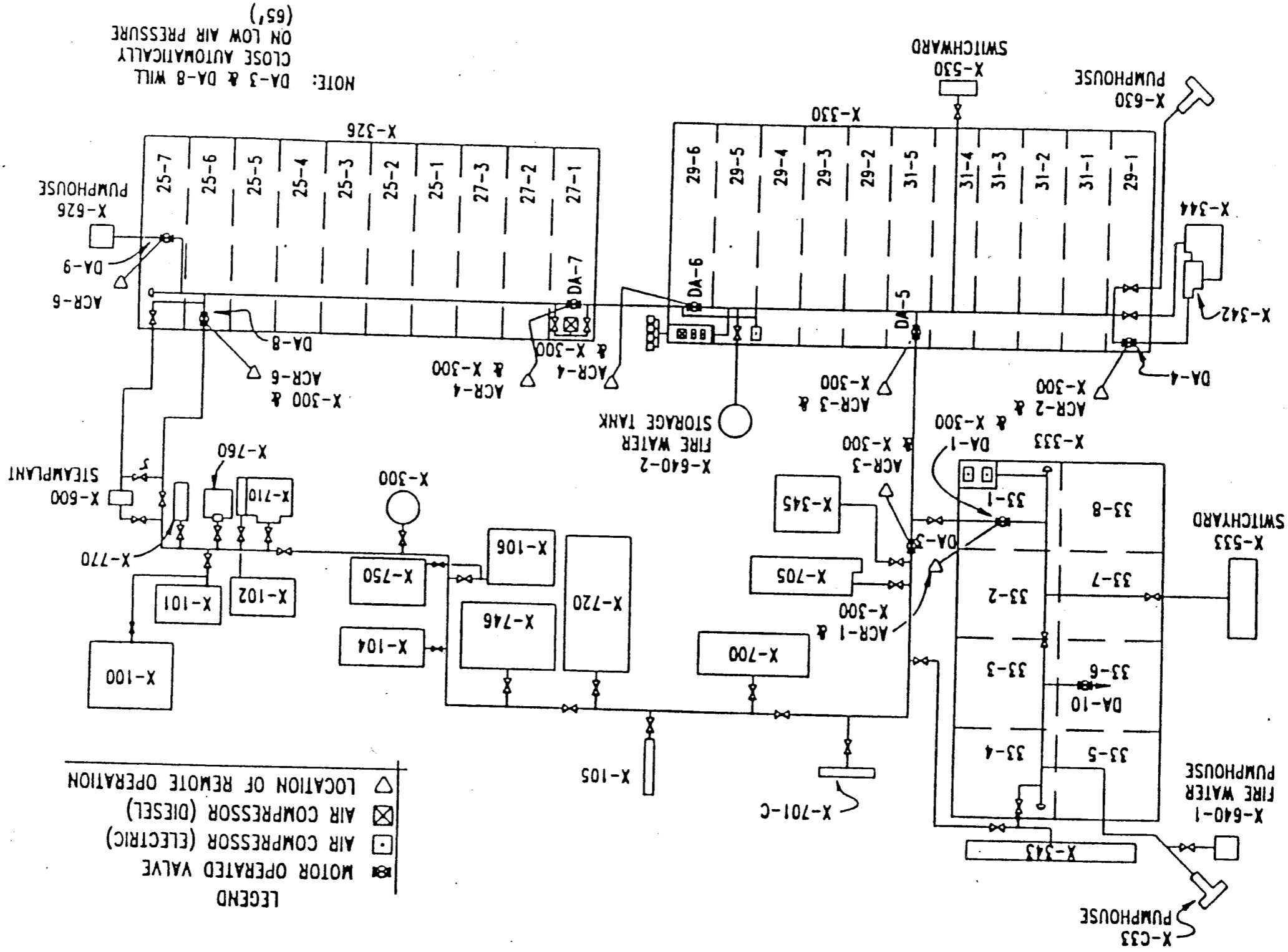


Fig. 2.5.2-35. Schematic of the nitrogen distribution system.



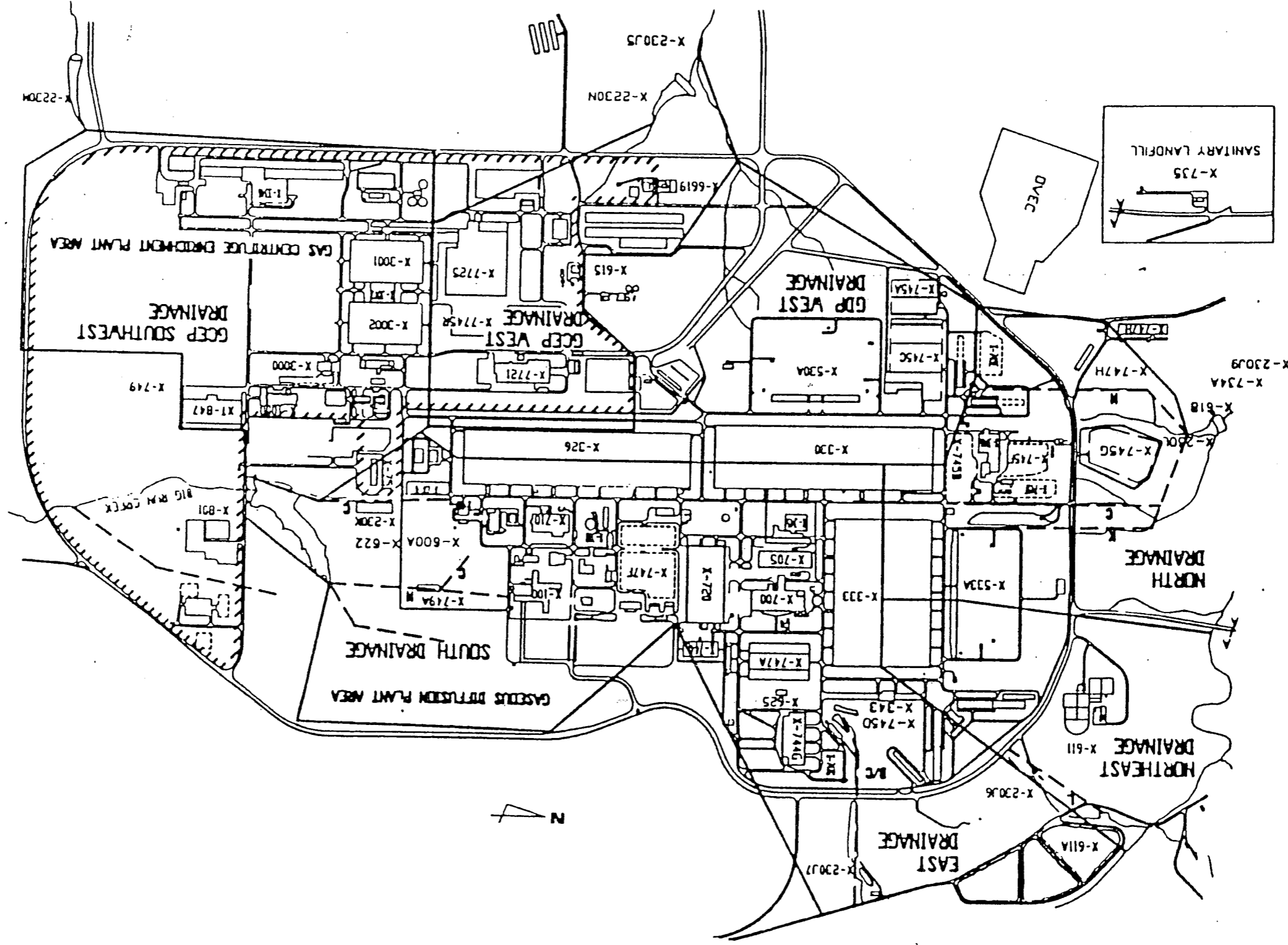


Fig. 2.5.2-37. X-230C storm sewer system showing plant drainage and containment sectors.

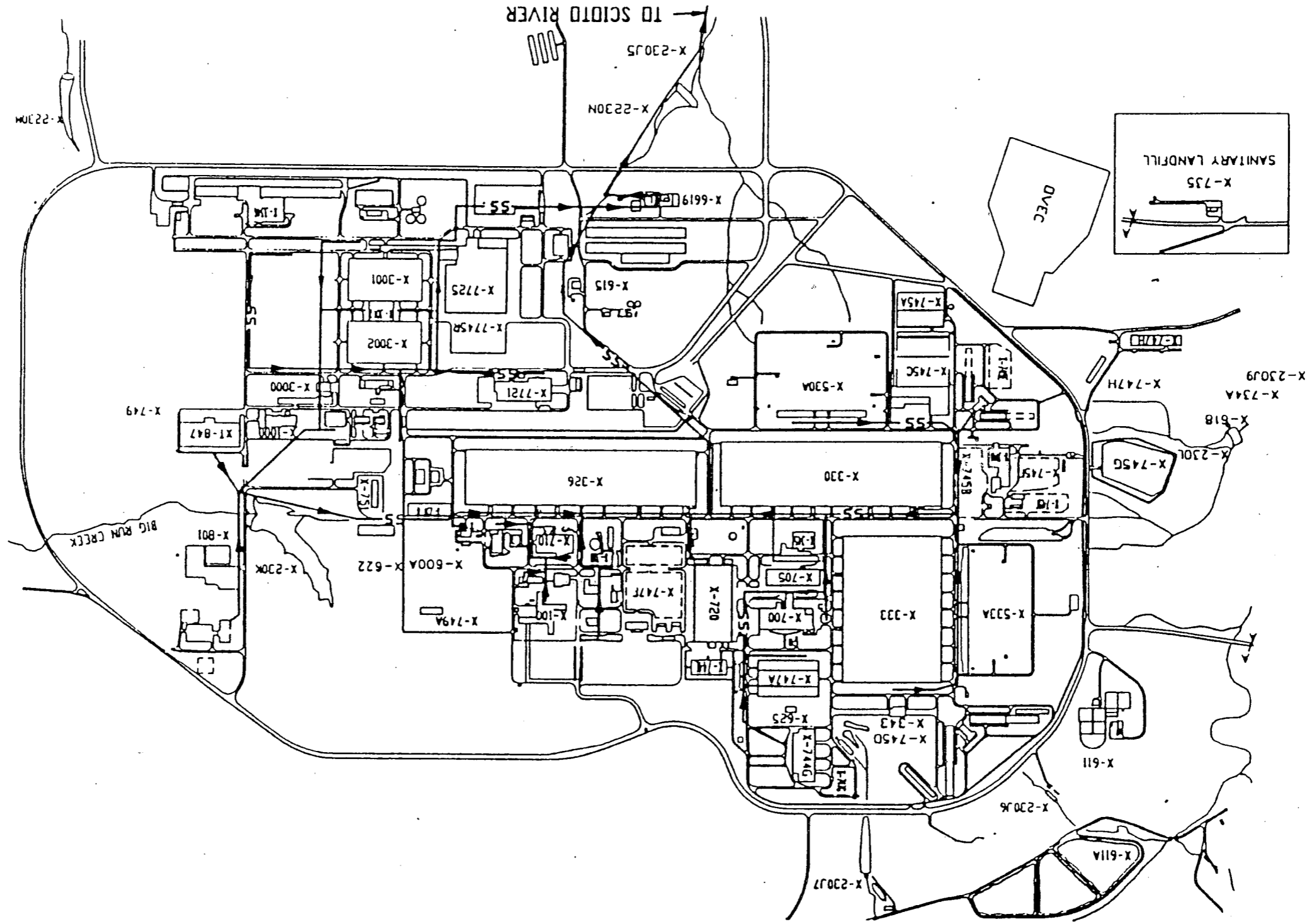


Fig. 2.5.2-38. Sewage distribution system.